ELSEVIER

Comput. Methods Appl. Mech. Engrg. 131 (1996) 373–374

Computer methods in applied mechanics and engineering

Contents Volume 131

Volume 131, Nos. 1–2, April 1996

Computational anisotropic plasticity for high-rate forming applications
P.J. Maudlin and S.K. Schiferl 1

A numerical procedure for a non-linear elastic problem for incompressible material based on a perturbation method
A. Bajenitchev 31

Long-term dissipativity of time-stepping algorithms for an abstract evolution equation with applications to the incompressible MHD and Navier–Stokes equations
F. Armero and J.C. Simo 41

Semi-implicit donor cell differencing and the hyperbolic conservation laws having source terms
F. Ali and M.A. Kassar 91

A local solution adapted Tri-Tree multigrid generator and iterative equation solver for mixed finite element formulation of the Navier–Stokes equation
S.Ø. Wille 109

Enforcement of essential boundary conditions in meshless approximations using finite elements
Y. Krongauz and T. Belytschko 133

Damping effects on the dynamic stability of a rod subjected to intermediate follower loads
H.P. Lee 147

Computation of Hopf branches bifurcating from a class of Hopf/steady-state points
B. Wu and T. Küpper 159

Finite element dynamic modeling of a translating and rotating flexible link
B.O. Al-Bedoor and Y.A. Khulief 173

A finite volume method for solute segregation in directional solidification and comparison with a finite element method
C.W. Lan and F.C. Chen 191

Volume 131, Nos. 3–4, May 1992

A weak statement perturbation CFD algorithm with high-order phase accuracy for hyperbolic problems
S. Roy and A.J. Baker 209

Analysis of an eddy current problem involving a thin inductor
R. Touzani 233

Direct and inverse dynamics of a very flexible beam
D. Rubinstein, N. Galili and A. Libai 241

Geometric properties of 2D and 3D unilateral large slip contact operators
J.H. Heegaard and A. Curnier 263

A higher-order Godunov scheme coupled with dynamic local grid refinement for flow in a porous medium
M.G. Edwards 287

Spline solutions of linear eighth-order boundary-value problems
S.S. Siddiqi and E.H. Twizell 309

Skateboard dynamics
Yu.G. Ispolov and B.A. Smolnikov 327

Explicit residual-based a posteriori error estimation for finite element discretizations of the Helmholtz equation: Computation of the constant and new measures of error estimator quality
J.R. Stewart and T.J.R. Hughes 335

Author Index of Volume 131 365

Subject Index of Volume 131 367

Instructions to authors 371

Contents Volume 131 373